Medical
Direct

CONTENTS OF VOLUME 53

ORIGINAL ARTICLES

Roentgen Pathology of the Chest in Battle Casualties	*Captain David S. Carroll, M.C.* *Captain Pasquale Ciaglia, M.C.*	1
Pneumomediastinum in the Newborn	*Robert M. Lowman, M.D.* *Charles S. Culotta, M.D.*	7
Echinococcus Cyst of the Heart: Report of a Case	*J. Zizmor* *M. M. Szucs*	15
Hypertrophic Gastritis Simulating Intramural Tumor of the Stomach	*Major Charles L. Hinkel, M.C.*	20
Multiple Diffuse Pancreatic Lithiasis; Roentgen Anatomy of the Pancreas: Case Report	*Captain Harold H. Sage, M.C.*	28
Multiple Plasmocytoma of the Jejunum; Report of a Case	*Joseph J. Esposito, M.D.* *Arthur Purdy Stout, M.D.*	33
A Study of the Relative Importance of the Cortex and Spongiosa in the Production of the Roentgenogram of the Normal Vertebral Body	*George W. Wagoner, M.D.* *Andrew D. Hunt, Jr., M.D.* *Eugene P. Pendergrass, M.D.*	40
Pseudarthrosis, Synchondrosis and Other Anomalies of the First Ribs	*Lt. Comdr. J. Gershon-Cohen (MC)* *Lt. Comdr. R. E. Delbridge (MC)*	49
Early Recognition of Endocrine Disorders in Childhood by Roentgenograms of the Wrist to Determine the "Ossification Index"	*Donald W. Leonard, M.D.*	55
Post-irradiation Bone Changes	*F. R. Gratzek* *E. G. Holmstrom* *Leo G. Rigler*	62
Volume Dosage in Radiation Therapy	*Bernard S. Wolf, M.D.*	77
Device for Prevention of Accidental Radiation Overdosage Due to Incorrect Filter-Kilovoltage Combinations	*M. F. Hall, M.D.*	87
Roentgenologic Appearance and Pathology of Intrapulmonary Lymphatic Spread of Metastatic Cancer	*H. Peter Mueller, M.D.* *Ronald C. Sniffen, M.D.*	109
Pulmonary Changes in Cardiospasm	*Captain Lloyd E. Hawes, M.C.* *Major Arthur B. Soule, Jr., M.C.*	124
Congenital Aplasia of the Lung	*Robert L. Garber, M.D.*	129
Acute Obstruction of the Colon	*Joseph Levitin, M.D.* *Helen B. Weyrauch, M.D.*	132
Meckel's Diverticulum	*M. E. Mottram, M.D.* *Lt. Comdr. L. H. Garland, M.C., U.S N.R.*	142
Periosteal Lesions in Scurvy	*William A. Evans, Jr., M.D.*	147
Roentgenographic Demonstration by Tantalum Powder of Sinuses Resulting from Extraction of Intervertebral Disc Protusions	*Carl J. Graf, M.D.* *Wallace B. Hamby, M.D.*	157
Anomalous Development of the First Rib Simulating Isolated Fracture	*Lt. Col. E. R. Bowie, M.C.* *Captain H. G. Jacobson, M.C.*	161
The Triticeous Cartilages	*Captain J. W. Grossman, M.C.*	166
Changes after Treatment of an Unprotected Brain with Large Doses of Roentgen Radiation	*O. Marburg, M.D.* *Ph. R. Rezek, M.D.* *R. M. Fleming, M.D.*	171
A Method of Foreign Body Localization Using Two Parallel Roentgen Films	*Siegfried W. Westing, M.D.*	189
A Device for Compression Polygraph Studies of the Gastrointestinal Tract	*Alexander Lewitan, M.D.*	194

Pathology of the Anomalies Found in Knee Joints	*Major Samuel Harold Nickerson, M.C.*	213
Spondylolisthesis: A Commentary on Etiology, and an Improved Method of Roentgenographic Mensuration and Detection of Instability	*Captain Isadore Meschan, M.C.*	230
Pleuritic Involvement Associated with Primary Atypical Pneumonia: A Roentgenographic and Clinical Study	*Captain Arnold L. Bachman, M.C.* *Captain Nathan O. Sara, M.C.* *Major Harry E. Mantz, M.C.*	244
An Evaluation of Teleroentgenographic Mensuration and Cardiac Roentgenoscopy in the Diagnosis of Early Mitral Valve Disease	*Bernard S. Epstein, M.D.*	259
Elongation and Tortuosity of the Descending Aorta in a Case of Right Aortic Arch, Simulating Right-Sided Pulsating Mediastinal Mass	*Martin Szabados, M.D.*	270
Congenital Hydronephrosis Caused by a Polar Artery: Report of a Case	*Edmundo Ingber, M.D.*	273
Aberrant Pancreatic Tissue as a Roentgenologic Problem	*George J. Baylin, M.D.*	277
Necrotizing Bronchopneumonia: Its Relation to Radiation Therapy of Cancer of the Oral Cavity	*Lauren V. Ackerman, M.D.* *H. M. Wiley, M.D.* *David V. LeMone, M.D.*	281
Technique of Roentgenography of the Condyles of the Mandible	*Major James M. Dell, Jr., M.C.*	303
Myelography by the Use of Pantopaque in the Diagnosis of Herniations of the Intervertebral Discs	*Major Arthur B. Soule, Jr., M.C.* *Captain Sidney W. Gross, M.C.* *Captain James G. Irving, M.C.*	319
Arteriography for the Demonstration of Intracranial Aneurysms	*Robert M. Lowman, M.D.* *Simon D. Doff, M.D.*	341
The Diseases of the Vertebral Column: A Roentgenologic Analysis	*Albert Oppenheimer, M.D.*	348
The Importance of Examination of the Sputum in Evaluating Parenchymal Infiltration	*Arthur Rest, M.D.*	370
Hemangio-endothelioma of the Diaphragm: Report of a Fatal Case in an Infant	*Walter K. VanAlstyne, M.D.*	373
Results of Irradiation of Ovarian Tumors	*H. Dabney Kerr, M.D.* *Robert A. J. Einstein, M.D.*	376
A Roentgenological Filing System Adapted from the "Standard Nomenclature of Disease"	*Otto H. Grunow, M.D.*	385
The Behavior of Thimble Chambers When Used for the Measurement of Very Soft Radiation	*J. A. Victoreen* *Z. J. Atlee* *E. D. Trout*	391
An Improvement in Design of the Stereoscopic Photoroentgen Unit	*Lt. Col. Zolton. T. Wirtschafter, M.C.*	402
A Plastic Roentgen Film Exposure Holder	*Maurice M. Pomeranz, M.D.*	404
Cardiac Changes in Arteriovenous Fistula	*Lt. Col. Robert C. Pendergrass, M.C.*	423
The Significance of Calcification in the Ascending Aorta as Observed Roentgenologically	*James Jackman, M.D.* *Mortimer Lubert, M.D.*	432
Egg-Shell Calcifications in Silicosis	*Allen D. Riemer, M.D.*	439
Calcified Hemangiomas of the Liver	*Melvin Spray, M.D.*	446
Roentgen Demonstration of the Semilunar Cartilages of the Knee	*Captain J. W. Grossman, M.C.* *Captain Howard H. Minor, M.C.*	454
Multiple Myeloma in a Youth	*Lt. Comdr. Harold Wood (MC)* *Lt. J. W. Quinlan (MC)* *Comdr. E. F. Merrill (MC)*	466

Choledochoduodenal Fistula	*Major Jacob Weinberger, M.C.* *Captain Abraham Rosenthal, M.C.*	470
Photoelectric Timing in General Roentgenography	*Paul C. Hodges, M.D.* *Russell H. Morgan, M.D.*	474
Evaluation of Roentgen Therapy in Filariasis	*Lt. Henry L. Jaffe (MC)*	483
Direct and Indirect Radiotherapy	*B. Grynkraut*	491
Analysis of the Target Condition of Rotating Anode Tubes with a Spinning Top	*John E. Whiteleather, M.D.*	514
Device for Accurate Centering of the Stomach in Roentgenography	*Bernard Wittenberg*	517
The Roentgen Examination of the Urinary Tract; With Special Reference to Methods of Examination and Findings in Individuals with Testicular Tumors	*Lt. Col. Joseph C. Bell, M.C.* *Major Gilbert W. Heublein, M.C.* *Major Howard J. Hammer, M.C.*	527
Aerosinusitis; A Clinico-roentgenological Study	*Capt. Martin Schneider, M.C.*	563
Solitary Myeloma of the Frontal Bone	*Charles Wadsworth Schwartz, M.D.*	573
Disseminated Calcified and Bony Nodules in the Lungs Associated with Mitral Disease	*A. Grishman* *I. J. Kane*	575
Malignant Giant Cell Tumor of the Lung	*Angelo M. Gnassi, M.D.* *Preston Price, M.D.*	582
Intussusception of the Stomach	*M. H. Poppel, M.D., F.A.C.R.* *S. T. Herstone, M.D.*	585
Military Photoroentgen Technique Employing Optimum Kilovolt (Peak) Principles	*Major Arthur W. Fuchs, Sn.C.*	587
Roentgen Therapy for Acute Encephalitis	*U. V. Portmann, M.D.* *Roger Lough, M.D.*	597
Spot Film Fluororoentgenography with Movable Grid	*Jacob Buckstein, M.D.*	608
The Roentgenographic Examination of the Carpus	*J. F. Roderick, R.T.*	611